Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/02/2016 10:27 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125266	0	2.08	125127	2.07
Blue	F	SSC	125000	125412	0	3.98	125809	3.75
Blue	E	FITC	22946	22613	-2	2.67	1004	9.74
Blue	D	PE	28770	28319	-2	2.26	1014	9.27
Blue	B	PerCP-Cy5-5	51099	50824	-1	3.52	1455	15.88
Blue	A	PE-Cy7	42312	42123	-1	5.20	649	33.15
Red	C	APC	52169	51653	-1	2.90	2976	9.17
Red	A	APC-Cy7	56705	56401	-1	2.90	1164	10.99
Violet	B	V450	14708	14202	-4	3.99	683	9.25
Violet	A	V500	58608	58029	-1	3.70	2578	6.38

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20025	4.46	597	-1	N/A	N/A	Pass
Blue	F	SSC	62504	2.44	525	7	N/A	N/A	Pass
Blue	E	FITC	114	35.79	533	2	0.0234	106	Pass
Blue	D	PE	224	26.16	528	2	0.1746	183	Pass
Blue	B	PerCP-Cy5-5	228	41.99	624	2	0.0117	99	Pass
Blue	A	PE-Cy7	73	105.90	672	1	0.0137	10	Pass
Red	C	APC	347	27.00	590	0	0.0222	98	Pass
Red	A	APC-Cy7	127	40.07	575	-1	0.0060	1825	Pass
Violet	B	V450	82	41.27	465	6	0.0395	1449	Pass
Violet	A	V500	187	22.91	495	7	0.0144	499	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.56	-30.93	0.85
Blue	20.35	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.32
Red	17.43	13.27 - 19.91	N/A	N/A	30.91	31.59	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 11528

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments